

2003 School Fluoride Mouthrinse Program COST SAVINGS

PROGRAM COST

\$ 59,000 MCH funds provided to District Health Departments to conduct rinse program
\$ 52,955 Cost to purchase fluoride mouthrinse
 \$111,955 Total program cost for School Year 2003 (from Federal Title V MCH Block Grant)

CHILDREN SERVED

33,507 Total # unduplicated students participating in SY2003

The fluoride mouthrinse program is targeted to schools in areas with below optimum water fluoride levels and with 30 percent or more of children on the free and reduced school lunch program. To be eligible, schools must have an average rate of two or more decayed, missing or filled teeth per student.

COST SAVINGS

16,754 Estimate of minimum # of one surface cavities prevented (0.5 tooth surfaces/year/child)*

\$703,668 Estimate of minimum dollars saved @ Medicaid reimbursement rate of \$42 for a one-surface amalgam filling in a permanent tooth. Current Medicaid rates represent 40-50% of the usual and customary rates (UCR) charged by private dental practitioners. This estimate does not reflect the cost of an oral examination, radiographs or more expensive restorative materials. Cavities that progress to more than one surface or have pulpal involvement before treatment is sought will also cost more to restore.

\$1,373,828 Estimate of minimum dollars saved if restorative treatment is provided by a private dental provider at a usual and customary rate of \$82.

COST SAVINGS BY HEALTH DISTRICT - 2003						
Health District	Cost to Conduct Rinse Pgrm	Rinse Cost	# Rinsing	# Cavities Prevented	Cost Savings	
					Medicaid	UCR
1	\$ 15,328	\$ 15,215	8,986	4,493	\$ 188,706	\$ 368,426
2	\$ 2,021	\$ 1,402	1,014	507	\$ 21,294	\$ 41,574
3	\$ 9,508	\$ 7,352	5,039	2,520	\$ 105,840	\$ 206,640
4	\$ 9,144	\$ 9,308	5,895	2,947	\$ 123,774	\$ 241,654
5	\$ 4,245	\$ 2,975	2,119	1,060	\$ 44,520	\$ 86,920
6	\$ 8,406	\$ 9,988	4,852	2,426	\$ 101,892	\$ 198,932
7	\$ 10,348	\$ 6,715	5,602	2,801	\$ 117,642	\$ 229,682
State Total	\$ 59,000	\$ 52,955	33,507	16,754	\$ 703,668	\$1,373,828

*Source: Symposium on Appropriate Uses of Fluoride in the 1990s

□A Critique of Topical Fluoride Methods (Dentifrices, Mouthrinses, Operator-, and Self-applied Gels) . . . , □ *Journal of Public Health Dentistry*, Vol.51, No.1, Winter 1991, pp. 23-41.